

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2003-0001

FOR

CITY OF POINT ARENA  
WASTEWATER TREATMENT FACILITY

Mendocino County

**FLOW MEASUREMENT**

Influent wastewater flow and flow of treated wastewater to the percolation pond shall be recorded continuously. Discharge flow to the irrigation system shall be measured daily when discharging to the irrigation field. All flow measurement devices shall be tested annually and their accuracy certified. Certification shall be submitted with the annual monitoring report.

**MONITORING EFFLUENT TO THE PERCOLATION PONDS**

Monitoring samples of treated effluent shall be collected and analyzed, when there is transfer to the percolation ponds, according to the schedule in Table 1 and used for the purpose of determining compliance to Waste Discharge Requirements Order No. R1-2003-0001. The sampling location shall be a point prior to discharge to the percolation ponds.

Eight-hour composite samples of the treated effluent shall be taken by a time-proportional sampling device approved by the Executive Officer or by grab samples composited in proportion to time. In compositing grab samples, the sampling interval shall not exceed one hour.

**Table 1 Monitoring Schedule**

Constituent	Units	Type of Sample	Frequency
BOD (20°C, 5-day)	mg/l	Grab	Weekly
Nonfilterable Residue	mg/l	Grab	Weekly
Settleable Matter	ml/l	Grab	Weekly
Chlorine Residual	mg/l	Grab	Weekly
Total Coliform Organisms	MPN/100 ml	Grab	Weekly

The permittee shall measure and record the depth of water, in feet and inches, in the percolation ponds on a weekly basis.

## VISUAL MONITORING

The permittee shall conduct surface inspections of the irrigation field during and immediately after any discharge to the irrigation system. The permittee shall record any odors, evidence of surface runoff, or other signs of malfunction or improper operation. The monthly monitoring report shall include the daily volume of treated wastewater discharge to the irrigation field and any observations indicating non-compliance with provisions of waste discharge requirements.

## GROUND WATER MONITORING

Water samples shall be collected from the spring on a quarterly basis. Water samples shall be analyzed for the following constituents:

**Table 2 Groundwater Monitoring Constituents**

Constituent	Units	Type of Sample	Frequency
Nitrate as N	mg/l	Grab	Quarterly
Total Dissolved Solids	mg/l	Grab	Quarterly

## MONTHLY REPORT

The purpose of the report is to document treatment performance, effluent quality and compliance with waste discharge requirements prescribed by Order R1-2003-0001. For each calendar month, a self-monitoring report shall be submitted to the Regional Water Board in accordance with the following:

1. The report shall be submitted by the first day of the second month following sampling.
2. *Letter of Transmittal*: Each Report shall be submitted with a letter of transmittal. This letter shall include the following:
  - a. Identification of facility: Name, address, Order number, and WDID number;
  - b. Date of report and monitoring period;
  - c. Identification of all violations of effluent limitations or other discharge requirements found during the monitoring period;
  - d. Details of the violations: parameters, magnitude, test results, frequency, and dates;
  - e. The cause of the violation;
  - f. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
  - g. Other relevant information including, but limited to, incidents of wastewater treatment and collection system equipment failure, results of visual observations of the irrigation field, volume of septage discharged to the collection or treatment system, and reports of sanitary sewer overflows;
  - h. Authorized signature and certification statement.

3. *Compliance Evaluation Summary*: Each report shall include a compliance evaluation summary. The summary shall illustrate clearly the facility's compliance with all effluent limitations and other waste discharge and reclamation requirements, as required. During periods of no discharge, the reports shall certify no discharge.
4. *Results of Analyses and Observations*
  - a. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test result;
  - b. If the permittee monitors any pollutant more frequently than required by this Permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and report of the data submitted in the discharger monitoring report
  - c. Calculation of all effluent limitations that require averaging, taking of a median, or other calculation.
5. *Report Submittal*: Copies of each monitoring report shall be mailed to:

North Coast Regional Water Quality Control Board  
5550 Skylane Boulevard, Suite A  
Santa Rosa, CA 95403

### **ANNUAL REPORT**

By March 1<sup>st</sup> of each year, the permittee shall submit an annual report to the Regional Water Board. The report shall contain both tabular and graphical summaries of the monitoring data and disposal and reclamation records from the previous year. In addition, the permittee shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the permit.

Ordered by: \_\_\_\_\_

Susan A. Warner  
Executive Officer

January 23, 2003